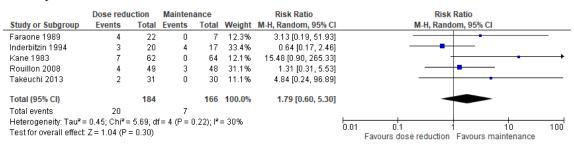
Supplementary Figure S4. Forest plot: Overall patients

1. Relapse/Hospitalization

1.1 Relapse (primary outcome)

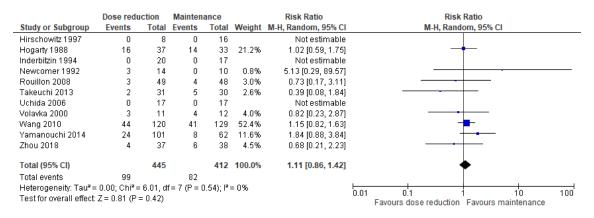
	Dose redu	ction	Mainten	ance		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	M-H, Random, 95% CI
Cookson 1987	3	9	1	9	4.4%	3.00 [0.38, 23.68]	
Faraone 1989	8	22	0	7	2.7%	5.91 [0.38, 91.24]	-
Hogarty 1988	9	37	6	33	14.7%	1.34 [0.53, 3.36]	
Inderbitzin 1994	5	20	4	17	11.2%	1.06 [0.34, 3.34]	
Johnson 1987	9	28	3	31	10.4%	3.32 [1.00, 11.06]	•
Kane 1983	26	62	3	64	11.2%	8.95 [2.85, 28.05]	
Newcomer 1992	3	14	0	10	2.5%	5.13 [0.29, 89.57]	- +
Rouillon 2008	4	49	3	48	8.0%	1.31 [0.31, 5.53]	
Takeuchi 2013	1	31	1	30	2.7%	0.97 [0.06, 14.78]	
Uchida 2006	0	17	0	17		Not estimable	
Volavka 2000	1	11	1	12	2.8%	1.09 [0.08, 15.41]	
Wang 2010	19	120	10	129	18.7%	2.04 [0.99, 4.21]	-
Zhou 2018	4	37	6	38	10.7%	0.68 [0.21, 2.23]	
Total (95% CI)		457		445	100.0%	1.96 [1.23, 3.12]	•
Total events	92		38				
Heterogeneity: Tau ² =	= 0.17; Chi²=	14.97,	df=11 (P	= 0.18);	I ² = 27%		to 10 10 10 10 10 10 10 10 10 10 10 10 10
Test for overall effect:	Z = 2.83 (P = 2.83)	= 0.005)	•				0.01 0.1 1 10 100 Favours dose reduction Favours maintenance

1.2 Hospitalization

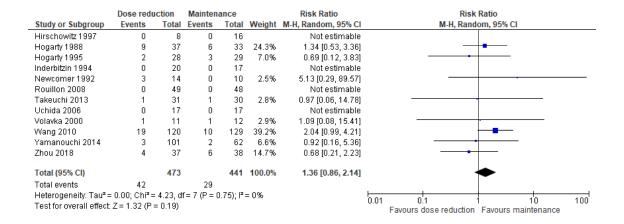


2. Study discontinuation

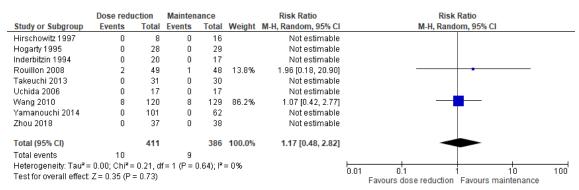
2.1 Study discontinuation due to all causes



2.2 Study discontinuation due to inefficacy

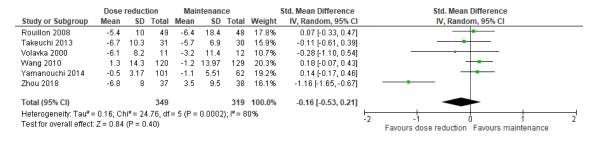


2.3 Study discontinuation due to intolerability

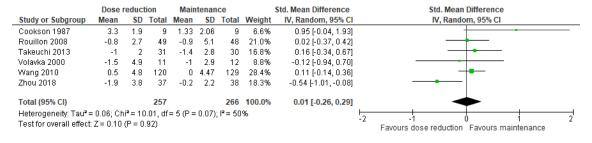


3. Psychopathology

3.1 Total



3.2 Positive symptoms



3.3 Negative symptoms

	Dose	reduct	tion	Main	itenan	ce		Std. Mean Difference		Std. Mean Difference	
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI		IV, Random, 95% CI	
Rouillon 2008	-2	3.6	49	-1.9	5.6	48	21.9%	-0.02 [-0.42, 0.38]			
Takeuchi 2013	-3	3.7	31	-1.3	2.8	30	19.6%	-0.51 [-1.02, 0.00]			
Volavka 2000	-1.1	2.9	11	0.1	1.9	12	13.4%	-0.48 [-1.31, 0.36]			
Wang 2010	-0.5	3.9	120	-1.3	4.19	129	24.8%	0.20 [-0.05, 0.45]		 • 	
Zhou 2018	-2.4	7.4	37	3.7	6.6	38	20.3%	-0.86 [-1.34, -0.39]			
Total (95% CI)			248			257	100.0%	-0.29 [-0.72, 0.13]			
Heterogeneity: Tau ² : Test for overall effect				= 4 (P =	0.000		-2	-1 0 1	− 1		
restroi overali ellect	. 2 - 1.33	(1 0	.10)							Favours dose reduction Favours maintenance	

3.4 CGI-S

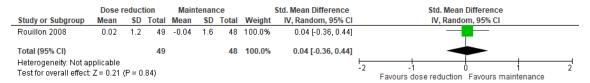
	Dose	reduct	ion	Main	itenan	ce		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Takeuchi 2013	-0.2	0.7	31	0	0.6	30	14.3%	-0.30 [-0.81, 0.20]	
Wang 2010	-0.1	1.1	120	-0.2	1.4	129	51.7%	0.08 [-0.17, 0.33]	- -
Yamanouchi 2014	-0.1	0.55	101	0	1.06	62	34.0%	-0.13 [-0.44, 0.19]	
Total (95% CI)			252			221	100.0%	-0.05 [-0.24, 0.15]	•
Heterogeneity: Tau² = Test for overall effect:				2 (P = 0	0.33); I	₹= 9%			-2 -1 0 1 2 Favours dose reduction Favours maintenance

4. Adverse effects

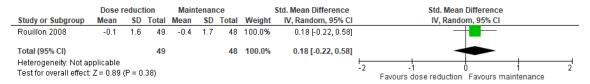
4.1 SAS

	Dose r	educt	tion	Main	tenan	ce		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Rouillon 2008	-0.2	1.4	49	0.3	2.3	48	27.4%	-0.26 [-0.66, 0.14]	
Volavka 2000	-0.1	1.8	11	0.3	1.5	12	11.5%	-0.23 [-1.06, 0.59]	
Wang 2010	-0.1	2.5	120	-0.3	1.7	129	37.1%	0.09 [-0.15, 0.34]	-
Zhou 2018	-1.4	3.5	37	0.2	2.1	38	24.0%	-0.55 [-1.01, -0.09]	
Total (95% CI)			217			227	100.0%	-0.20 [-0.52, 0.12]	-
Heterogeneity: Tau ² = Test for overall effect:				3 (P = 0	.08);	r= 559	6		-2 -1 0 1 2 Favours dose reduction Favours maintenance

4.2 BARS



4.3 AIMS



4.4 DIEPSS

	Dose	reduct	tion	Main	tenan	ice		Std. Mean Difference	Std. Mean Difference			
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	I IV, Random, 95% CI			
Takeuchi 2013	-0.9	1.7	31	0.1	1.2	30	42.2%	-0.67 [-1.19, -0.15]]			
Yamanouchi 2014	-0.69	2.48	101	-0.18	4.9	62	57.8%	-0.14 [-0.46, 0.18]	_ 			
Total (95% CI)			132			92	100.0%	-0.36 [-0.87, 0.15]				
Heterogeneity: Tau² = Test for overall effect:				1 (P = 0	-2 -1 0 1 2							

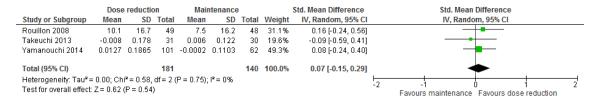
4.5 Body weight

	Dose r	reduct	ion	Main	tenan	ce		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Rouillon 2008	0.12	4.1	49	0.4	3.6	48	23.8%	-0.07 [-0.47, 0.33]	
Takeuchi 2013	-0.3	2.7	31	-0.6	3.1	30	15.0%	0.10 [-0.40, 0.60]	, - -
Wang 2010	3.2	5.7	120	3.2	7.5	129	61.2%	0.00 [-0.25, 0.25]	-
Total (95% CI)			200			207	100.0%	-0.00 [-0.20, 0.19]	•
Heterogeneity: Tau² = Test for overall effect:				2 (P = 0		-2 -1 0 1 2 Favours dose reduction Favours maintenance			

4.6 Neurocognition

	Dose	reduct	tion	Main	itenan	ce		Std. Mean Difference	Std. Mean Difference			
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI			
Takeuchi 2013	7	7.1	31	-0.1	8	30	45.4%	0.93 [0.40, 1.46]				
Zhou 2018	9.8	13.7	37	3.6	11.5	38	54.6%	0.49 [0.03, 0.95]				
Total (95% CI)			68			68	100.0%	0.69 [0.25, 1.12]	•			
Heterogeneity: Tau² = Test for overall effect:				1 (P = 0	H-7	2 -1 0 1 2 Favours maintenance Favours dose reduction						

4.7 QOL



Abbreviations: AIMS, Abnormal Involuntary Movement Scale; BARS, Barnes Akathisia Rating Scale; CGI-S, Clinical Global Impressions – Severity scale; DIEPSS, Drug-Induced Extrapyramidal Symptoms Scale; QOL, quality of life; SAS, Simpson-Angus Scale